Raspberry Pi

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Product compliance

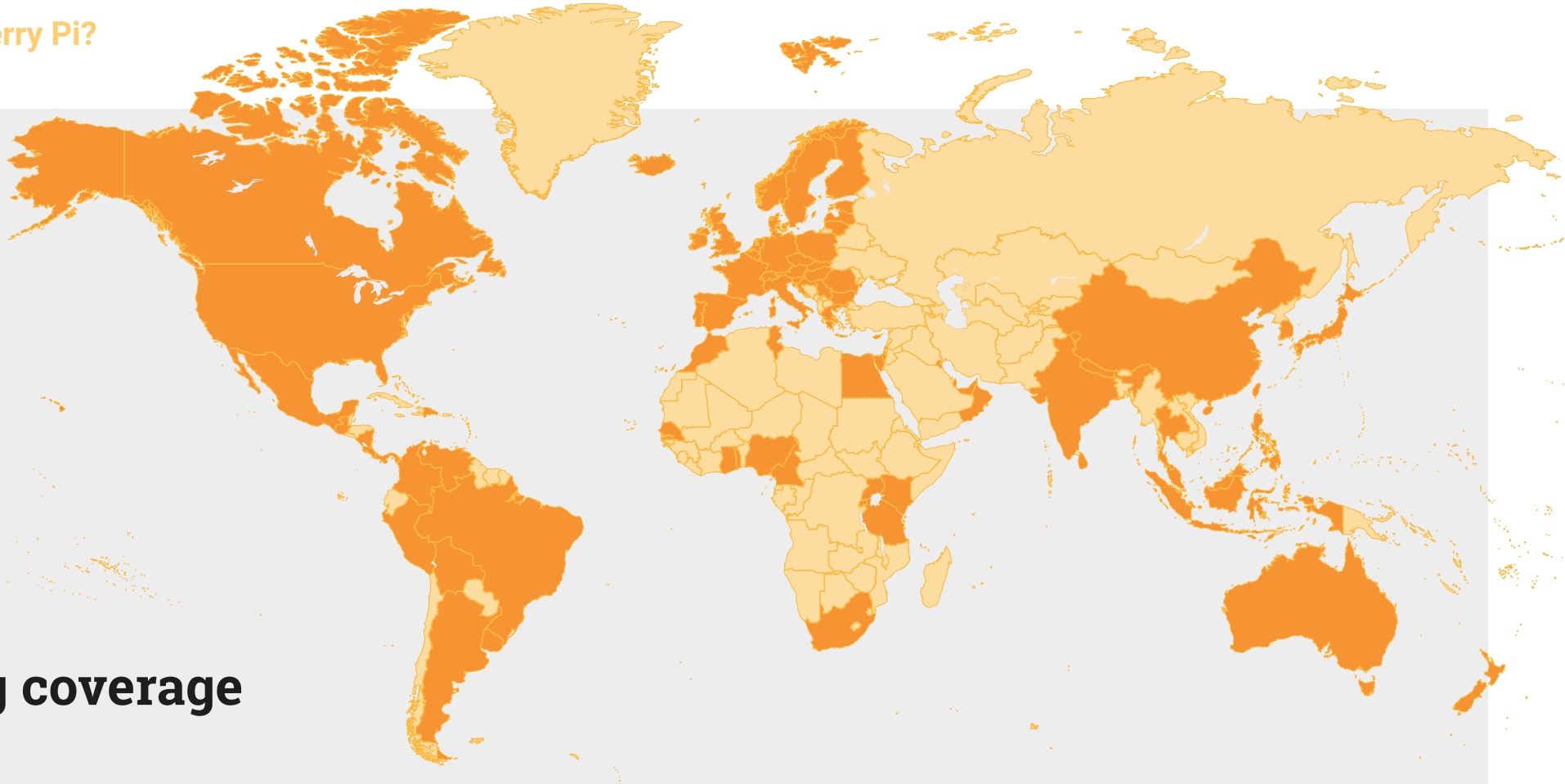
Product compliance

Navigating product compliance can be time-consuming, confusing, and often overcomplicated — a significant barrier to entry for organisations wanting to develop new products. Traditional testing methods typically involve expensive equipment and complex setups, delaying market entry, bloating development budgets, and diverting valuable engineering resources away from more useful work.

But what if there were a way to simplify this process, making it more accessible and efficient?

As a versatile and affordable computing platform, Raspberry Pi reduces the burdens of software and hardware development. By leveraging its adaptability and open ecosystem, we can **minimise regulatory requirements for the integrator**, saving much of the time and money otherwise spent securing product compliance certifications.

All our products undergo an extensive and **rigorous in-house test and certification programme**, transforming the route to compliance into a **streamlined and cost-effective process**.



Testing coverage

Raspberry Pi certifies its products for sale in over 80 countries.

Each region has its own compliance marks, such as FCC (US), IC (Canada), Giteki (Japan), and NCC (Taiwan). There are also several internationally recognised schemes, such as the IECEE Certified Body (CB) certification for electrical safety, TÜV's GS mark, and the UL mark.

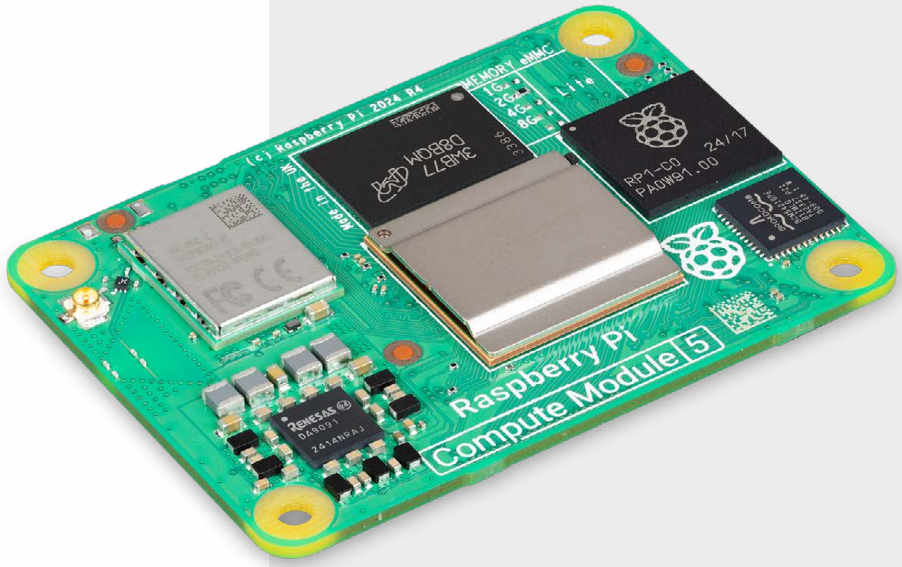
We certify new products using the latest standards and keep our testing processes up to date, ensuring our products remain compliant. This is part of our ongoing commitment to keeping our products supported and in production.

Radio modular certification for wireless connectivity

All Raspberry Pi radio products come with modular radio certification, making them compliant straight out of the box. This protects our customers from 95% of the test and certification costs of developing wireless connectivity.

Rather than conducting full device testing, integrators can leverage Raspberry Pi's existing certifications. This eliminates the need for extensive, costly radio testing — including additional expenses like specialised equipment and expert consultation — transferring the burden of meeting complex radio certification standards away from our customers. This enables them to focus on product innovation rather than regulatory hurdles, shortening the development cycle, reducing the risk of unexpected delays, and ensuring a quicker, more predictable market entry.

At the same time, customers can enjoy the benefits of using a trusted, pre-certified, and continually maintained platform. Raspberry Pi's advanced security features help safeguard our wireless technologies, further ensuring the safety of our products for the global market. Moreover, the open-source nature of the Raspberry Pi platform makes these technologies available to all; to help our customers get started, we issue and maintain easy-to-use support firmware and test instructions, significantly streamlining the integration process.



Material content declarations

Our products are compliant with all significant material content requirements worldwide. Popular examples include RoHS, REACH, POPs, and Conflict Minerals.

We employ strict supplier screening and internal management processes to ensure continued compliance with these regulations, as well as our own programme of product testing. Our material testing lab contains XRF and FTIR spectrometer equipment, allowing us to investigate and constantly monitor the material content of our products. We use these technologies to maintain the quality of our materials and components as well as their regulatory compliance.

Environmental

All our industry-focused products undergo shock and vibration testing to ensure they are robust enough for effective deployment in the field.

For all our single-board computers and silicon products, these tests are supported by the publication of reliability data. This allows integrators to engineer greater resilience to failure (under specific circumstances and in highly regulated applications) into their Raspberry Pi–based products.

Reliability

We conduct and publish calculations of mean time to failure (MTTF) for all our industry-focused single-board computers and silicon products. This allows developers who target industries where high reliability is critical to use our products with confidence.

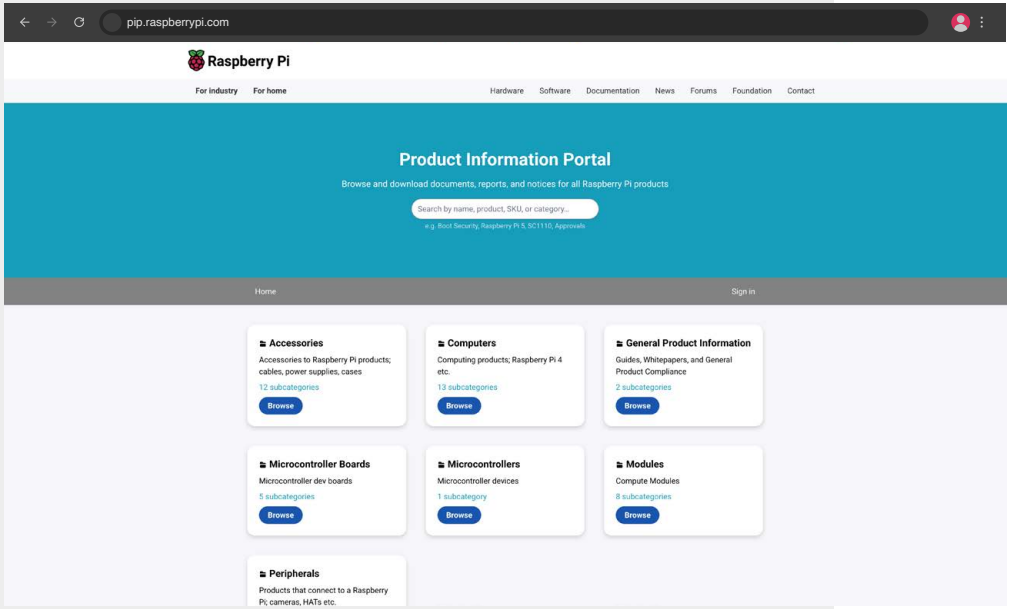
Trade compliance

The majority of our products' country of origin is the UK, which can be advantageous when trying to meet trade compliance requirements. Manufacturing in the UK provides a significant buffer to the effects of international trade disputes — a situation which seems to be changing ever more quickly.

We are able, for example, to readily demonstrate compliance with the National Defense Authorization Act, which prevents the US government from purchasing equipment and components from entities in China, Russia, and other restricted regions. Because our country of origin is compliant with the Act, customers can purchase Raspberry Pi products secure in the knowledge that they can be sold to and used by organisations affiliated with the US government.

We also provide easy access to tariff code categorisations and work closely with our Chamber of Commerce to provide independent product certifications.

Accessing test data



The Raspberry Pi Product Information Portal (PIP) contains all the necessary compliance documentation for our products. This includes comprehensive compliance certificates, detailed test reports, raw test files, and essential supporting materials, ensuring every resource needed to achieve product compliance is readily available to our integrators.

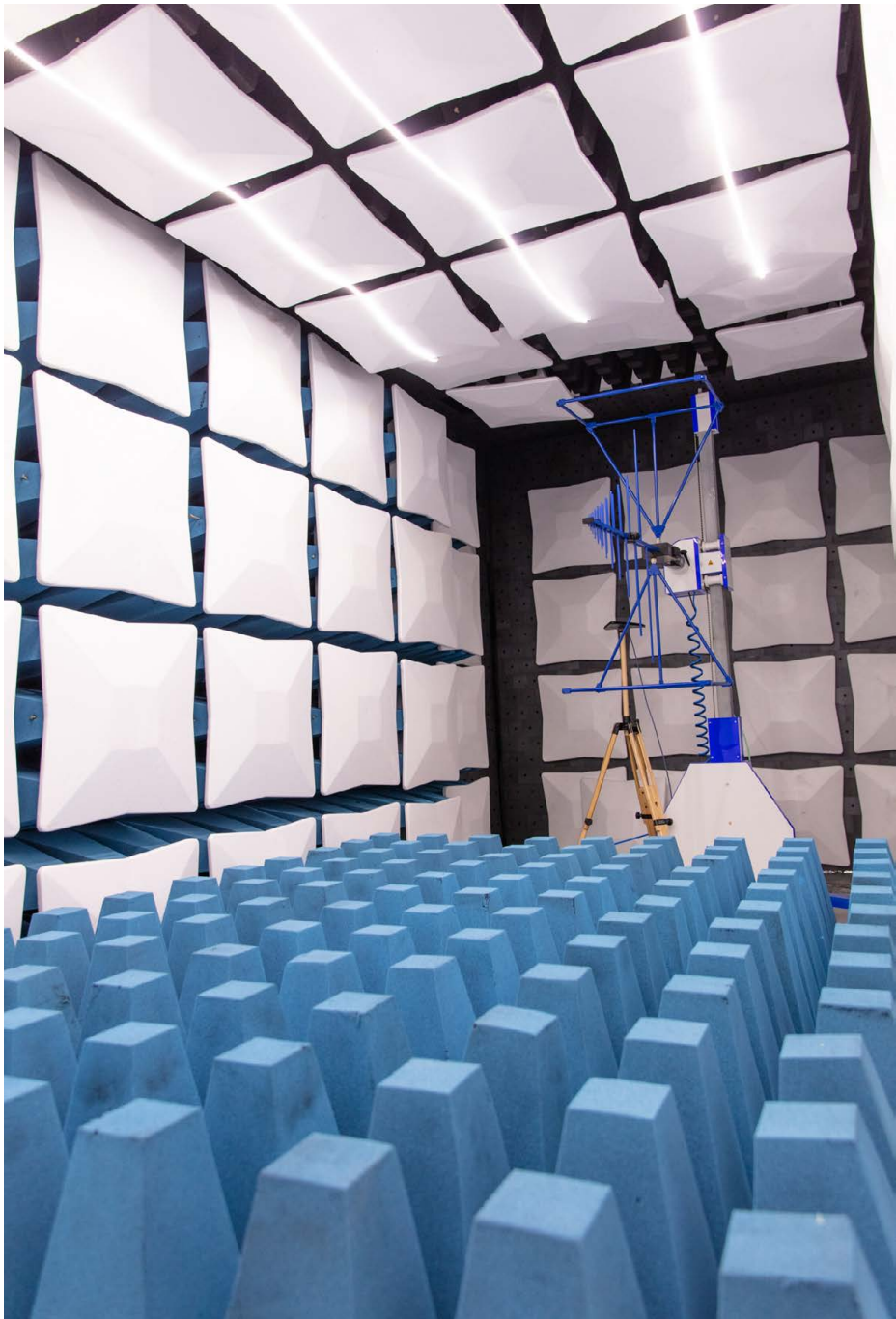
Some documents require you to sign a non-disclosure agreement (NDA) to access sensitive data; the Product Information Portal operates a streamlined NDA process, granting secure access to critical information while protecting intellectual property.

Raspberry Pi also offers a low-friction, industry-leading service-level agreement (SLA) for integrators who require permission to use our radio modules. This gives them access to our team of industry experts through our service contact channels.

In-house testing

Raspberry Pi's commitment to robust product development is helped in part by its in-house EMC test chamber. This chamber, combined with our high-specification signal analysers, power meters, and electrostatic discharge test equipment, enables us to replicate the type of testing typically reserved for costly third-party test labs.

The facility enables rapid prototyping and testing, allowing our engineers to identify and address potential compliance issues early in the design cycle. It also makes immediate iteration and refinement of our products possible, minimising the delays associated with external testing. This contributes directly to the reliability and performance of Raspberry Pi products and upholds our core priorities of quality and efficiency.



Global Market Access

Global Market Access (GMA) is the process of obtaining regulatory approvals for electronic products in a specific region or market. While often mandatory, it may be voluntary in some cases.

When incorporating a pre-approved Raspberry Pi module into a host device, certain GMA approvals can be bypassed. However, some countries and markets either do not recognise modular approval or impose limitations on its use; in such cases, the host device must undergo its own approval process, which can vary from straightforward application paperwork to full in-country testing, depending on the country.

Raspberry Pi has a dedicated in-house GMA team with decades of experience, designed to make your product development and launch as stress-free as possible. Through their partnership with a trusted global network of certifiers and test labs, the GMA team offers compliance solutions in over 150 countries.

When a customer integrates a Raspberry Pi module into a host device, the GMA team can manage the entire approval process on their behalf. This turnkey solution covers everything from test configuration to product labelling, easing the burden on time and cost for integrators and minimising the risk of product failure.

Raspberry Pi
Global Market Access

Summary

Raspberry Pi simplifies the process of obtaining product compliance, transforming it from a tricky logistical hurdle into a stepping stone to market. We achieve this through **modular certifications, comprehensive online documentation, and a commitment to in-house testing**. Our design philosophy integrates compliance from the start, ensuring our products meet the latest standards.

By providing open access to test reports, certificates, and supporting files, **we empower developers to navigate compliance regulations with confidence**. This transparency, coupled with the pre-approval of our radio modules, significantly **reduces costs and accelerates time to market**.

We are determined to make the integration of our products as seamless as possible. If you're ready to leverage Raspberry Pi's compliance-focused approach and accelerate your product development timeline, get in touch; let us help you simplify your compliance journey and bring your innovative products to market faster.

Discuss an upcoming project with us or get support on a design already underway

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